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DEC RATION FOR PATENT APPLICATION

As a below no	ned inventor, I	hereby declare that:				Attorney Docket No2946-Z
My residence,	, post office addr	ess and citizenship ar	e as stated	l below next		2740-11
CORE SUBS	TRATE PRINT	ED BOARD ENABLE specification of whice	ING THE	RMALLY I	nich a patent is sought of ENHANCED BALL GR nless the following box is	
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						including the claims, as amended 37, Code of Federal Regulations,
I hereby claim certificate liste before that of (foreign priority ed below and hav the application o	benefits under Title 35	, United S	totoc Codo	£110 - £	37, Code of Federal Regulations, cation(s) for patent or inventor's r's certificate having a filing date
Prior Foreign	Application(s)	Parada di				Priority Claimed
(Number)	(County)					□ Yes □ No
(ivalitibet)	(Country)	(Da	y/Month/	Year Filed)		
(Number)	(Country)	(Da	y/Month/	Year Filed)	· · · · · · · · · · · · · · · · · · ·	□ Yes □ No
by the first par patentability as	ragraph of Title s defined in Title l the national or	35. United States Co.	de, §112, I Regulation	acknowled as, §1.56 wh this applica	ge the duty to disclose in) listed belowand, insofar as the plication in the manner provided aformation which is material to ween the filing date of the prior
(Application Nu	umber)	(Filing Date)		 .	Status - patented, pendir	
Address all corr I hereby declare	respondence to: that all statements that all statements that all statements the true; and furt	Law Offices of Jim Z 801 North Pitt Street Alexandria, VA 2231 ats made herein of my	,95/), Tele legeer l, #108 4 own knowl	tion and to ephone: 703- ledgeare tru	transact all business in the 684-8333.	ne Patent and Trademark Office made on information and belief
false statements						valse statements and the like co
Full name of sol			neamon of		f Title 18 of the United States issued thereon.	talse statements and the like so tates Code and that such willful
Antenior Signal	e or first invent	or (given name, family	name):		f 11tle 18 of the United St issued thereon.	tates Code and that such willful
Inventor's signal Residence : Post Office Addi	ture		name):	r any patent	issued thereon.	tates Code and that such willful
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Residence: Post Office Addi Full name of sec Second Inventor Residence: Post Office Addr Full name of thir Third Inventor's Residence:	ress: ond joint invent. 's signature ress: of joint inventor signature	or (given name, family or (given name, family or (given name, family n (given name, family n	name): name): O(. 450	Jane LU Paul WU	Title 18 of the United States issued thereon. Date Citizenshi Citizenshi Citizenshi	p:e\(\text{\log}\frac{9}{00}\)
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Residence: Post Office Addi Full name of sec Second Inventor Residence: Post Office Addr Full name of thir Third Inventor's Residence: Post Office Addr Full name of four	ress: 20 ress: 20 ress: 20 ress: 20 rd joint inventor signature ress:	or (given name, family or (given name, family or Edin bou of yeateger (f	name): D(. 450 ame):	Paul WU Ray CHEN	Date Citizenshi Date Citizenshi Date Citizenshi Date Citizenshi	p:
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Full name of fifth joint inventor (given name, family name): Fifth Inventor's signature Residence: Post Office Address:	Jeff CHANG	Date Citizenship:

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DI ARATION FOR PATENT APPLICATION

As a below na	med inventor, I h	ereby declare that:					Attorney Docket No	2946-7	Z
My residence,	post office addre	ss and citizenship ar	e as stated b	oelow next	o my n	ame.			
names are list	ed below) of the TRATE PRINTS	subject matter which	is claimed a	and for whi MALLY E	ch a pa NHANG	tent is sought o	, first and joint inventon n the invention entitled ID ARRAY (BGA) P ochecked:	MET	ΑI
Ø	was filed on _A	April 6, 2000 as U	nited States d was amend	Applicatio	n Serial	No. <u>09/544,26</u>	3 or PCT Internation applicable).	ıal	
by any amend I acknowledge §1.56. I hereby claim	ment referred to the duty to disclo foreign priority	above. ose information whic benefits under Title 3	h is material 5, United Sta	to patenta	bility as	s defined in Title	, including the claims, a e 37, Code of Federal R ication(s) for patent or er's certificate having a	egulation inventor	ns, r's
before that of		n which priority is cl						ty Claim	
(Number)	(Country)		ay/Month/Y	oorFiled)			_	s 🗆 No	
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subject matter by the first pa patentability a application an 60/128,948	of each of the cla eragraph of Title s defined in Title d the national or	nims of this application 35, United States Communication 37, Code of Federa PCT international fictures April 13, 1999	on is not disc ode, §112, I I Regulations	closed in the acknowled s, §1.56 whethis applications.	e prior ge the d ich beca ition. Pendi	United States ap luty to disclose ame available be	s) listed belowand, ins pplication in the manne information which is r tween the filing date o	r provid	ed to
(Application N	lumber)	(Filing Date)		. (Status	- patented, pend	ing, abandoned)		
(Application N	lumber)	(Filing Date)		(Status	- patented, pend	ing, abandoned)		
connected ther Address all co I hereby declar are believed to made are puni	rewith: Jim Zeger rrespondence to: re that all stateme be true; and fur shable by fine or	er (Registration No. 1 Law Offices of Jim 801 North Pitt Stre AJexandria, VA 223 nts made herein of m ther that these staten	18,957), Telep Zegeer eet, #108 114 y own knowle nents were m th, under Sec	phone: 703- edgeare tru ade with the	684-833 ne and t ne know of Title I	33. hat all statemen ledge that willfu 18 of the United	the Patent and Traden ts made on information Il false statements and States Code and that s	and beli	ief so
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	or's signature	tor (given name, fam		Paul WU	~·· <i>-</i>		Pate Ship:		_
Full name of tl Third Inventor Residence : Post Office Ad									
	dress: 12015	r (given name, family SON Chlor Mento DITV Mont, CA		Ray CHE	N .	D: Citizens	ate 1%/201 hip: 1 0. 5. A.)	-
Fourth Invento	dress: 2015	Mento Diversity CA	7 <u>0</u> 94.±39 ily name):	Ray CHE		I	Date	9	-
	dress: 2015 Gress: 2015 Gress	An Cher Mento Divi mont, CA	7 <u>0</u> 94.±39 ily name):	. U.S.F		I		9	-

Full name of fifth joint inventor (given name, family name):	Jeff CHANG		
Fifth Inventor's signature		Date	
Residence :		Citizenship:	
Post Office Address:			

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Jun 24 03 01:30p

703-549-8411

TO:408 868 9088

P.002/003

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

- Declaration Submitted with Initial Filing.
- Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required).

Attorney Docket Number: 2946-Z

First Named Inventor: Jane Lu

COMPLETE IF KNOWN

Application Number: Filing Date:

09/544,263 April 6, 2000

Group Art Unit: Examiner Name:

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled <u>METHOD</u> OF MAKING METAL CORE SUBSTRATE PRINTED CIRCUIT WIRING BOARD ENABLING THERMALLY ENHANCED BALL GRID ARRAY (BGA) PACKAGES, the specification of which is attached hereto unless the following box is checked:

was filed on <u>April 6, 2000</u> as United States Application Serial No. <u>19/544.263</u> or PCT International Application No. ______ and was amended on ______ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to putentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCI international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCI international application having a filing date before that of the application on which priority is claimed.

Country	Application Number	Date Filed (MM/DD/YYYY)	Priority Claimed Under: 35 U.S.C. §
			□ Yes □ No

Provisional Application

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application Serial Number	Filiag Date		
60/128,948	April 13, 1999		

U.S. Priority Claim

I hereby claim the henefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar us the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing dute of the prior application and the national or PCT international filing date of this application.

Application Serial Number	Filing Date	Status - Patented/Pending/Abandoned

400-000-000

JUN-24-2003 10:18 FROM: JIM ZEGEER ·

. 703-549-8411

TO:408 868 9288

P.003/003

POWER OF ATTORNEY

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I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Jim Zegeer (Registration No. 18,957), Yelephone: 703-684-8333, Fax: 703-549-8411.

Address all correspondence to:

Law Offices of Jim Zegetr 801 North Pitt Street, #108 Alexandria, VA 22314

Full name of sale or first inve	ntor (given name (first and middle, if any), June LU	
family name or surname):	Jage TO	Dote
nventor's signature Residence: City <u>Taipei</u>	State Taiwan, R.O.C.	Date
Mailing Address:14-2	F. No. 91. Shingan St.	
	pei, Taiwan III4 R.Q.C.	
family name or survaged: Inventor's signature Residence: City Mailing Address: Full name of third inventor (gramily name or surname): Inventor's signature Residence: City Mailing Address: Mailing Address: 2015	State California 0 Edinburgh Dr. ttoga, CA 95070 iven name (first and middle, if any),	Date 6/24/2003 Citizenship: U.S.A. Date 6/24/2003 Citizenship: U.S.A.
family name or suraume): Inventor's signature Residence: City Tao-Yuan (Mailing Address: 9F.)	ntor (given name (first and middle, if any), Scott CHEN City State Tniwan, R.O.C. No. 12, Tai-Chung 10th Street -Yuan City, Tniwan, R.O.C.	Date Citizenship:R.O.C
family name or surname): laventor's signature Residence: City Taoyuan Mailing Address: No.	or (given name (first and middle, if any), Jeff CHANG State Taiwan, R.O.C. 29 Chang-Ching 5th Street, Yangmei Jen	Citizenship: R.O.C,